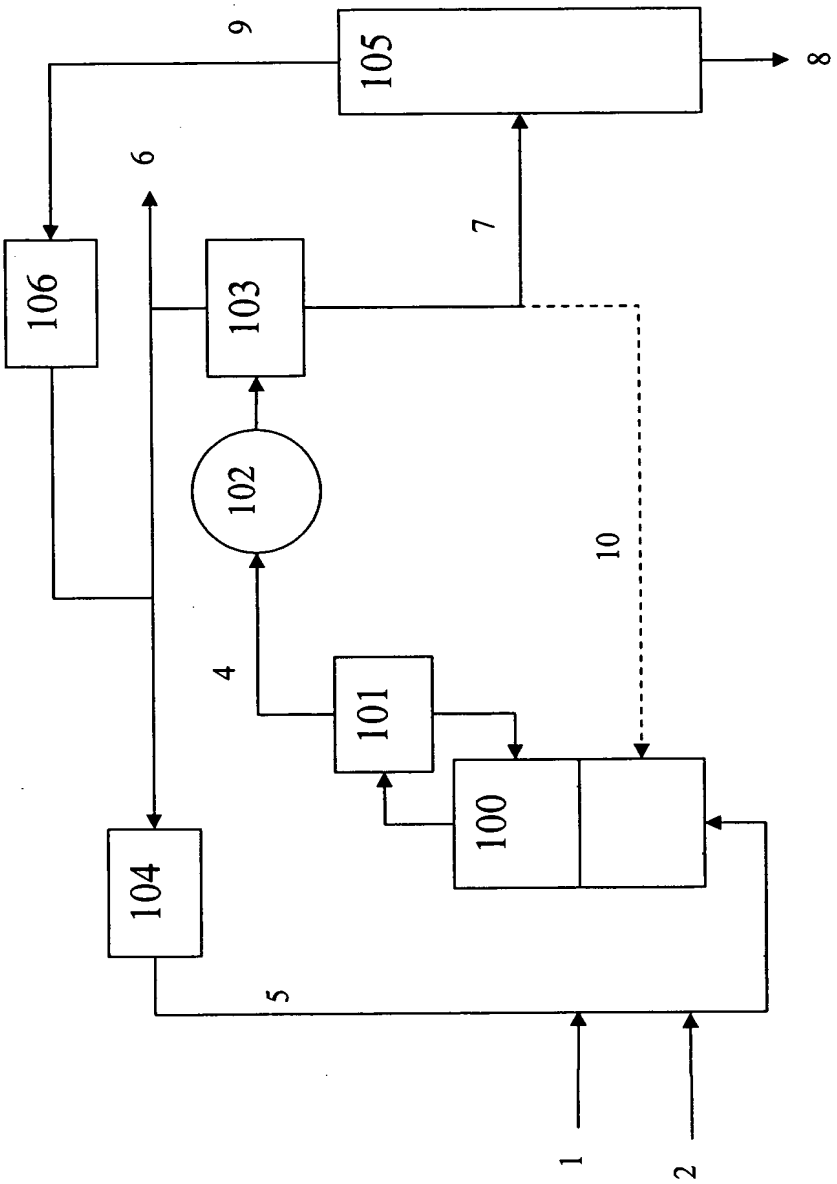

Figure 1

Figure 2

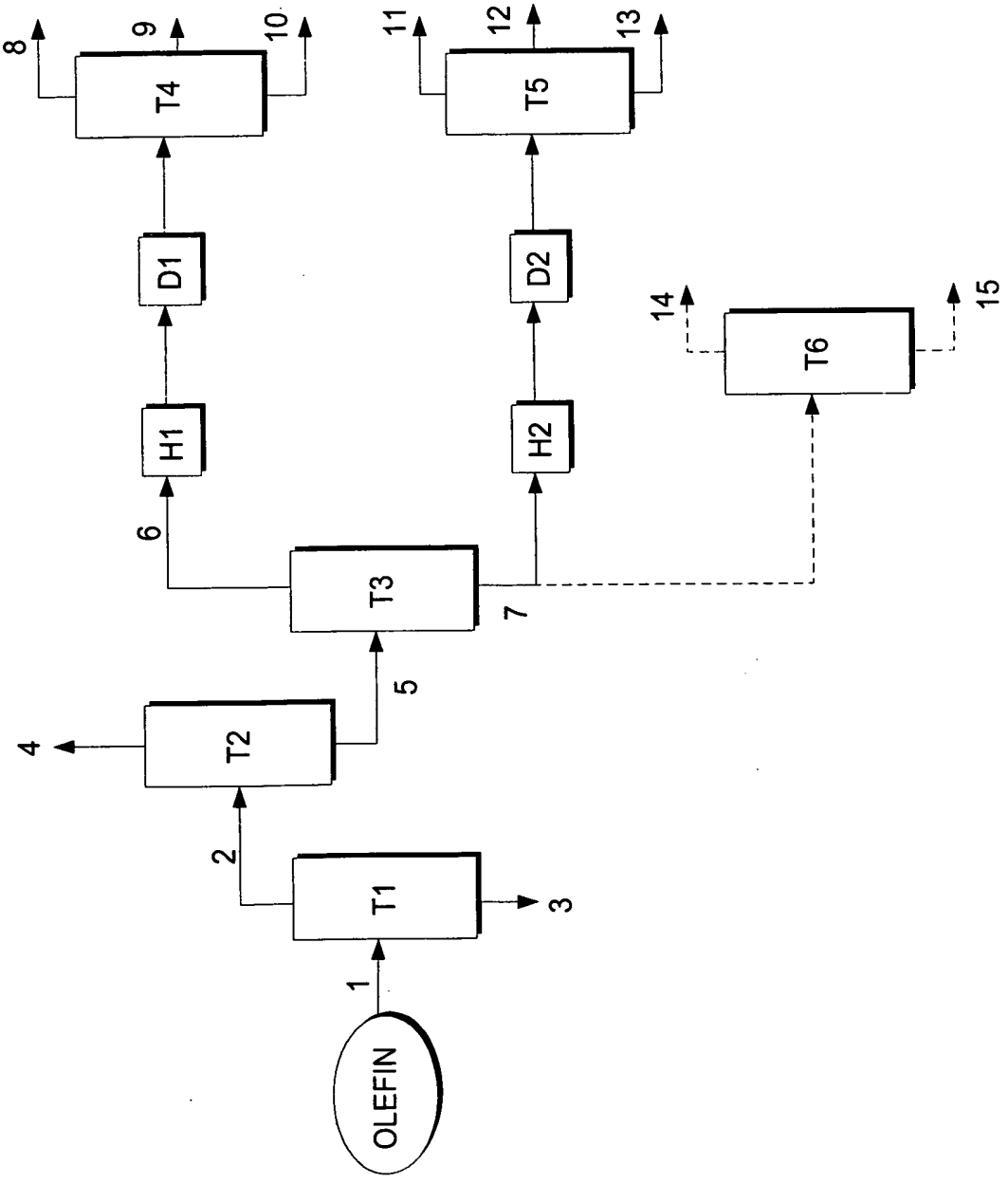

Figure 3

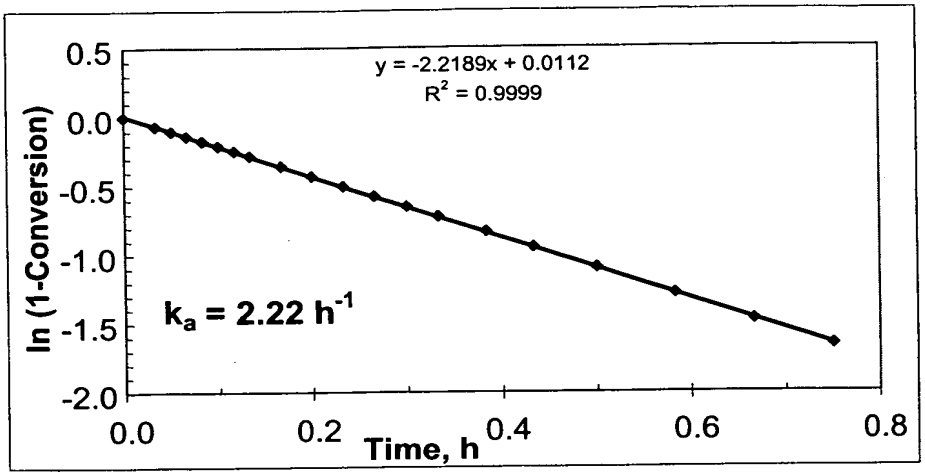
y = -2.2189x + 0.0112
R2 = 0.9999
ka = 2.22 h-1
ln (1-Conversion)
Time, h
0.5
0.0
-0.5
-1.0
-1.5
-2.0
0.0
0.2
0.4
0.6
0.8

Figure 4

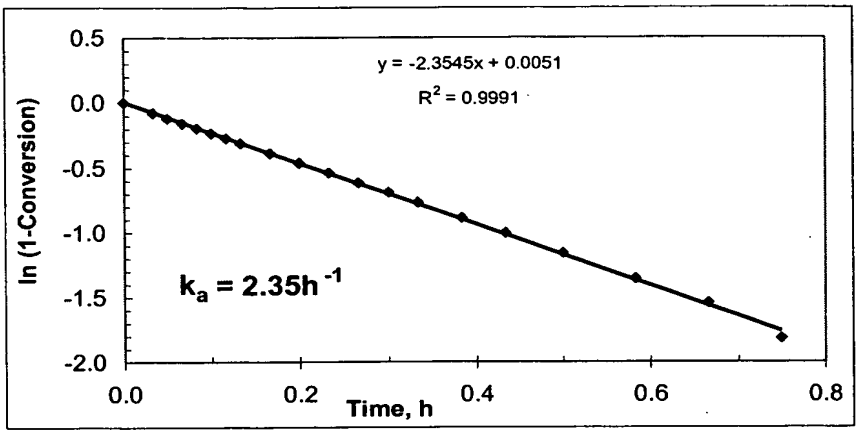
y = -2.3545x + 0.0051
R2 = 0.9991
ka = 2.35h-1
ln (1-Conversion)
Time, h
0.5
0.0
-0.5
-1.0
-1.5
-2.0
0.0
0.2
0.4
0.6
0.8

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Figure 5

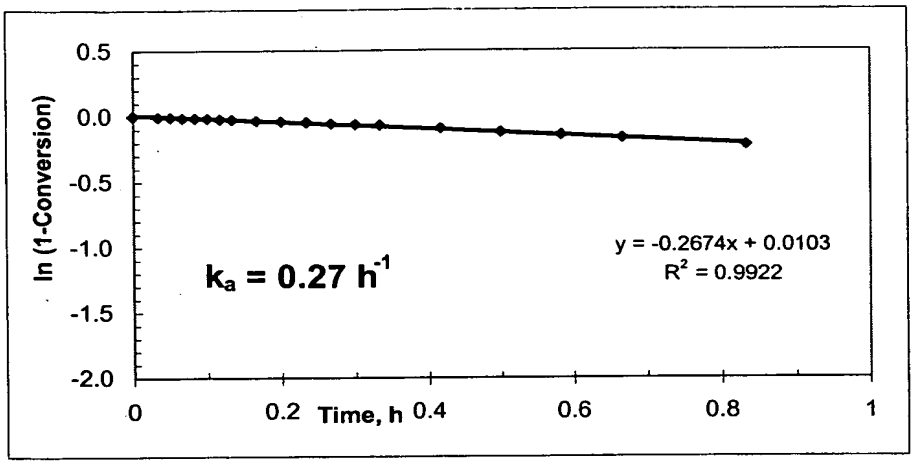
0.5
0.0
-0.5
-1.0
-1.5
-2.0
ln (1-Conversion)
$k_a = 0.27\ h^{-1}$
y = -0.2674x + 0.0103
R^2 = 0.9922
0
0.2
Time, h
0.4
0.6
0.8
1

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Figure 6

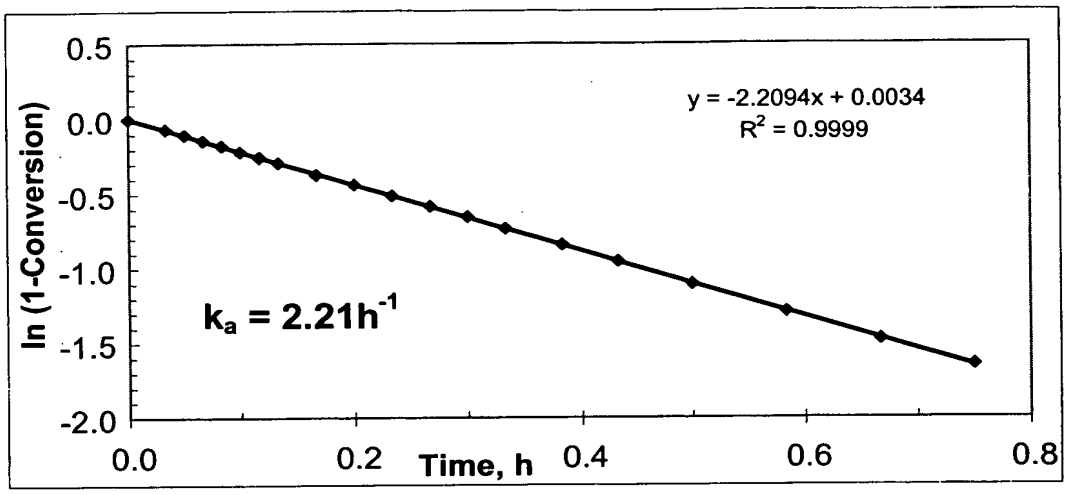
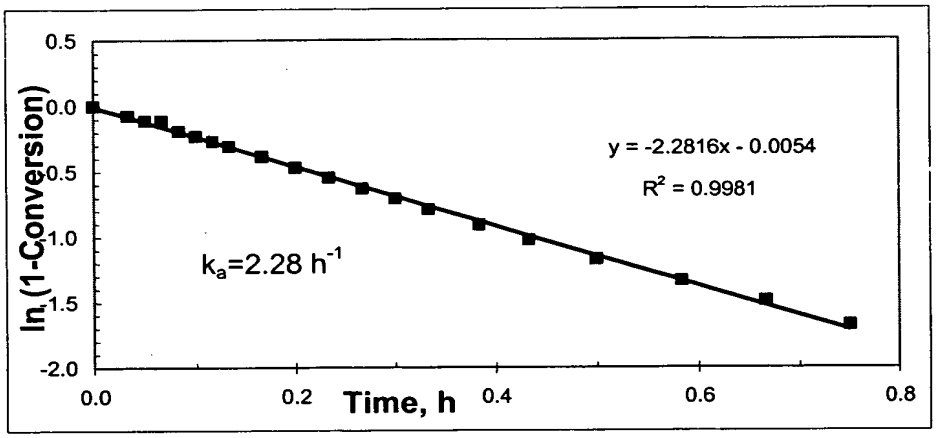

0.5
0.0
-0.5
-1.0
-1.5
-2.0
ln (1-Conversion)
y = -2.2094x + 0.0034
R2 = 0.9999
ka = 2.21h-1
0.0
0.2
Time, h
0.4
0.6
0.8

Figure 7


0.5
0.0
0.5
1.0
1.5
-2.0
ln (1-Conversion)
y = -2.2816x - 0.0054
R2 = 0.9981
ka=2.28 h-1
0.0
0.2
Time, h
0.4
0.6
0.8